



Wireless Bluetooth GPS Receiver

User's Manual

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Discription

The GR29 is a Bluetooth GPS Receiver that can be used independently. Not only does it can transfer data with PDA, or Notebook via Bluetooth, but also it can transfer data through USB cable with those devices without Bluetooth. It is compact, stylish, and portable, even can be wore on the key chain, integrated the rechargeable polymer Lithium-ion battery made the product sensitivity while low power consumer. There are 3 LEDs indicate the Bluetooth, GPS information, and battery information respectively, enable the running status monitored clearly.

Product Features

Compact size that even key chain portable.
High sensitivity, powerful GPS chipset, fast acquisition for 16-channel.
Built-in WASS/EGNOS Demodulator.
Built-in USB driver, that can transfer data via normal USB cable;
Support Bluetooth SPP profile.
Support NMEA0183 v2.3, 9600bps.
Built-in stable, high performance polymer lithium ion battery, low power consumer for at least 8 hours operation.

Specification

2.1 Spec

Frequency: 1575.42MHz

Channel: acquisition and track up to 16 satellites signal

Receiver: L1, C/A code

Update rate: 1Hz

Minimum signal tracked: -158dBm

2.2 Positioning Accuracy:

2.5m CEP accuracy

<2m CEP accuracy (DGPS, WAAS or EGNOS)

Velocity: 0.1meter/sec

2.3 Acquisition time:

Hot start: 4 sec.

Warm start: 34 sec.

Cold start: 42 sec.

2.4 Input & output:

Bluetooth protocol: Serial Port Profile

CSR BC04, 2.0

Baud rate: 9600bps

Distance: More than 10 meters (no obstacle)

USB driver full speed USB 2.0 (USB1.0/1.1 Compatible)

NMEA0183 v2.3

2.5 Power support:

Input: 4.7~5.2V

Built-in polymer Lithium-ion battery with capacity of 520mA/h for at least 8 hours operation

2.6 Dynamic condition

Altitude: 18,000 meter max.

Velocity: 515meter/sec. max.

Acceleration: 4G max.

Jerk: 20meter/sec.

2.7 Dimension, Weight

Dimension: 65 (L) × 28 (W) × 15 (H) mm

Weight: 30g

Operation Temperature: -10°C - +60°C

Store Temperature: -20°C - +60°C

Operation humidity: 5% to 95% no condensing

2.8 Other function

Switch: Mechanical slide switcher

Antenna: Built-in GPS antenna

LED Function: Bluetooth, GPS positioning, Battery status



Ring

USB Port



GPS Power
Bluetooth
indicator

(up to down)
switcher

LED indicator

Status	Color	Indicator		Information
	Blue	Blink interval	On	Searching bluetooth device
			1/sec	Waiting for data transferring
			1/sec	Connected and start to transfer data
	Red	On		Low power
	Green	On		Charging
	N/A	Off		Working
GPS	Yellow	On		Positioning
		Off		Positioned

Power switch

- Power on: Yellow LED and blue LED on.
- Power off: Yellow LED and blue LED off.

USB Port

Mini USB 5 Pins female connector.

Package contents

- One GR29 Bluetooth receiver
- One set Mini Car Charger
- One Mini USB cable
- One driver CD
- One user manual

User Guide

1. Charging

It's recommended to charge the battery for the first using.

When the battery is full, the power LED will be off.

It also can be charged with car charger or USB cable.

2. Power on

- 2.1 Switch on, yellow LED and blue LED on, GPS start to positioning; when it got the position, the yellow LED will start to blink.
 - 2.2 Data transferring via bluetooth: Blue LED on indicates it's searching Bluetooth device. The ID of this product is 'SCBT', it's not necessary to match it with other device, if password required, please type '0000'. After it is connected, the blue LED blink with interval of 1 time/sec indicates data transferring.
 - 2.3 Data transferring via USB: The product will be allocated to a port number automatically when connected to the computer (please install the driver first), which used to communicate with the computer.
- ### 3. Driver and Test software
- The driver and test software are placed on the attached CD. For the details please see the Readme.txt.

EU Declaration of Conformity

89/336/EEC & 2006/95/EC



We,

Adapt – Mobile Asia, co, Ltd.

hereby, declare that the requirements set out in the EC Council Directive on the Approximation of the Laws on the Member States relating to Electromagnetic compatibility **89/336/EEC & 2006/95/EC** has been fully fulfilled on our product with indication below:

Product Name:
Bluetooth GPS Receiver

Technical Data/Model/Brand name:
KEYCHAIN GR29, GR30, GR31, GR32, GR33, GR34, GR35
GR36, GR37, GR38, GR39, GR40.

The following standards have been applied for the investigation of compliance:

ETSI EN 300 328 V1.7.1(2006-10)
ETSI EN 301489-1V1.6.1(2005-09)
ETSI EN 301489-17 V1.2.1(2002-08)
EN 60950-1:2006

Detail contact information for this declaration has been listed below as the window of any issues relevant for this declaration.

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